AIRLINK 101™

802.11g Wireless Router

Model # AR315W

Quick Installation Guide

Ver. 2A

Section 1

This Quick Installation Guide only provides the basic instructions. For more detailed information, please refer to the user's manual on the supplied CD.

Connecting the Router

Note: Prior to connecting the router, be sure to power off your computer, DSL/Cable modem, and the router. You should setup the router with a wired connection first before attempting to setup any wireless connection.

Step 1 Connect one end of a network cable to the **WAN** port of the router and connect the other end of the cable to the DSL/Cable modem.

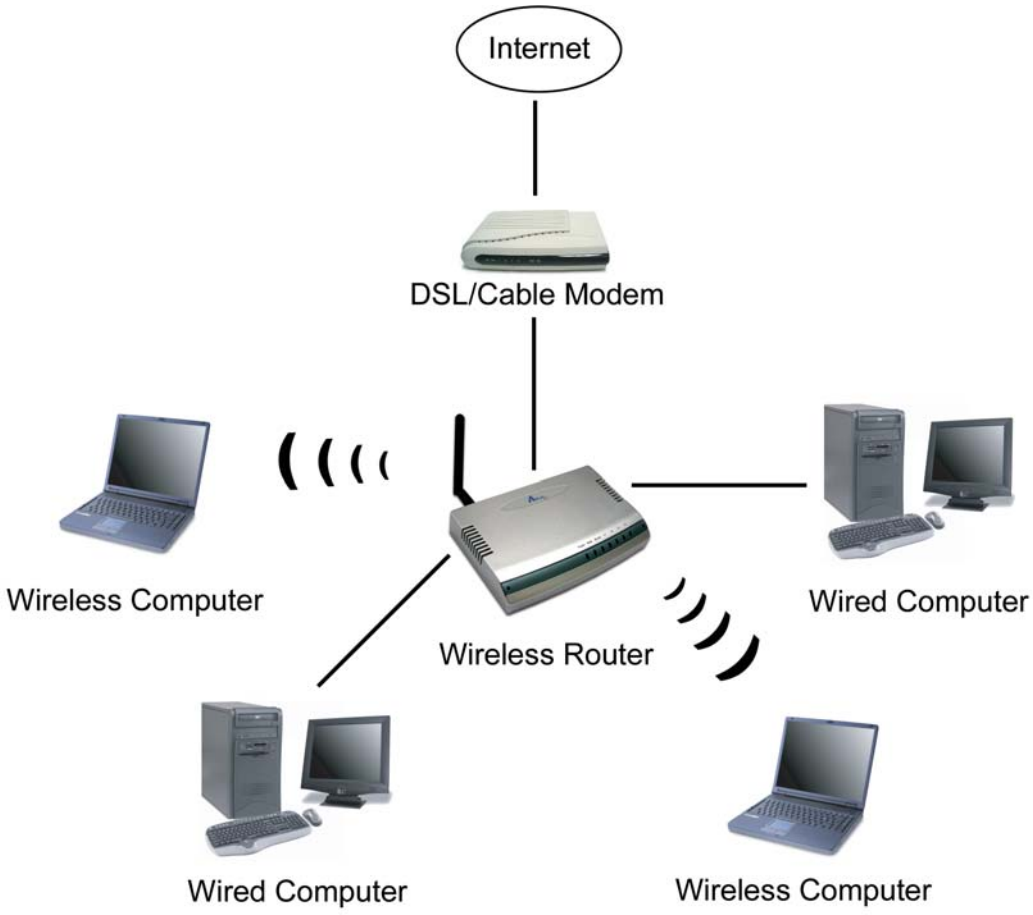
Step 2 With another network cable, connect one end of the cable to your computer's network card and connect the other end to one of the **LAN** ports of the router.

Step 3 Power on the DSL/Cable modem and wait for the lights on the modem to settle down.

Step 4 Power on the router by connecting one end of the supplied power adapter to the power jack of the router and connecting the other end to an electrical outlet.

Step 5 Power on your computer.

Step 6 Make sure the **WAN**, **WLAN**, and the **LAN** port that the computer is connected to are lit. If not, try the above steps again.

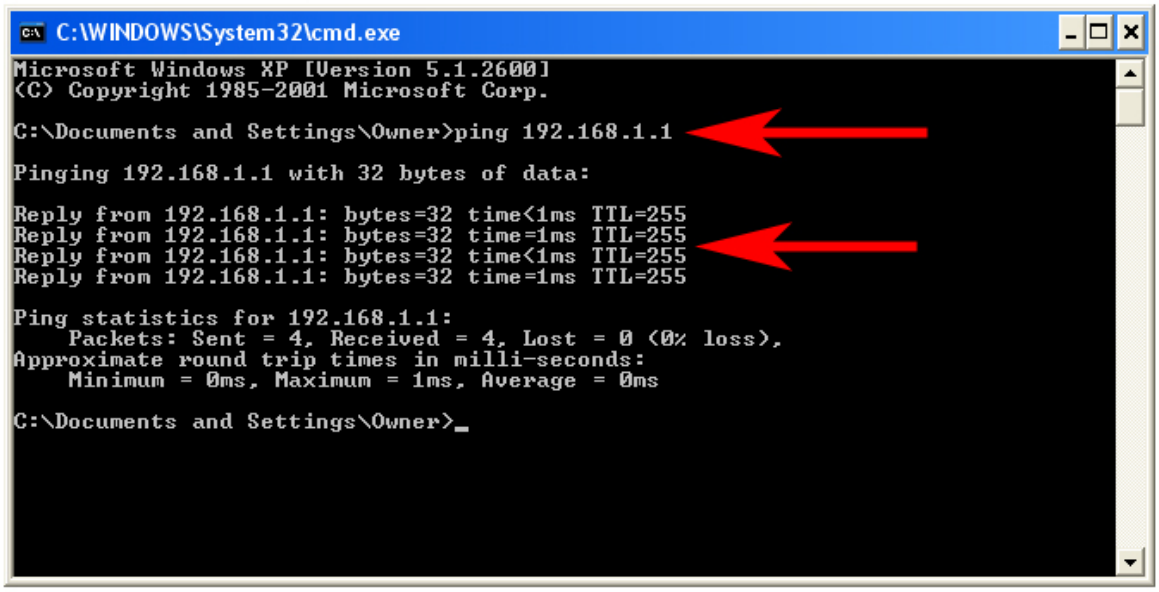


Section 2

Verify Connection to Router

Step 1 Go to **Start**, **Run**, type **command** (for Windows 95/98/ME) or **cmd** (for Windows 2000/XP) and click **OK**. You will see the command prompt as below.

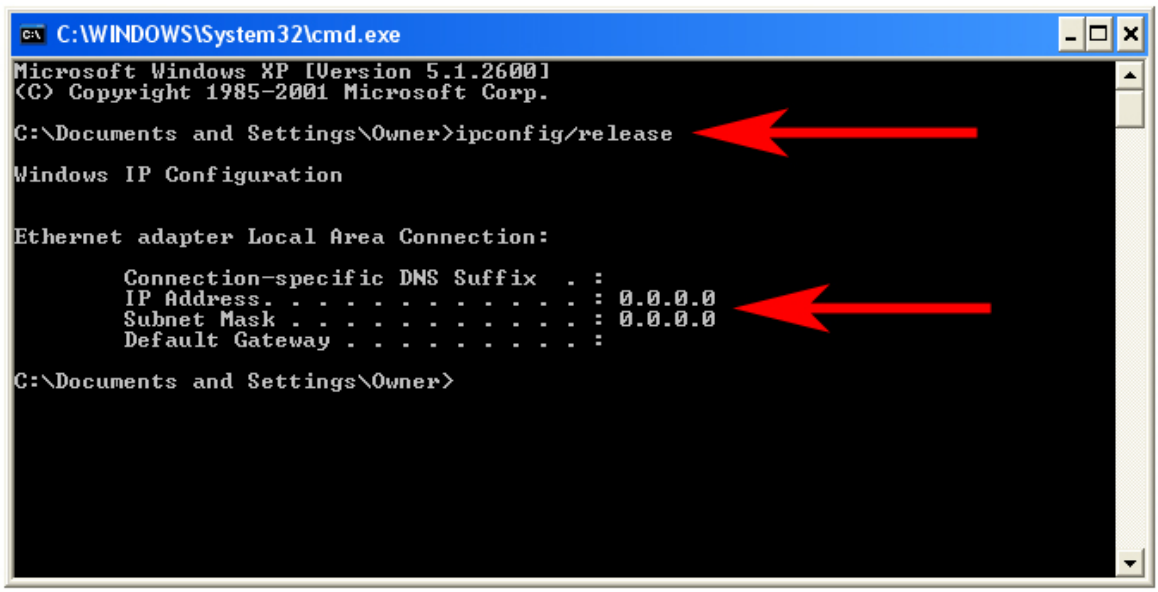
Step 2 Type **ping 192.168.1.1** and press **Enter**. You should get four reply responses back.


C:\WINDOWS\System32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Owner>ping 192.168.1.1
Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255
Ping statistics for 192.168.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\Documents and Settings\Owner>

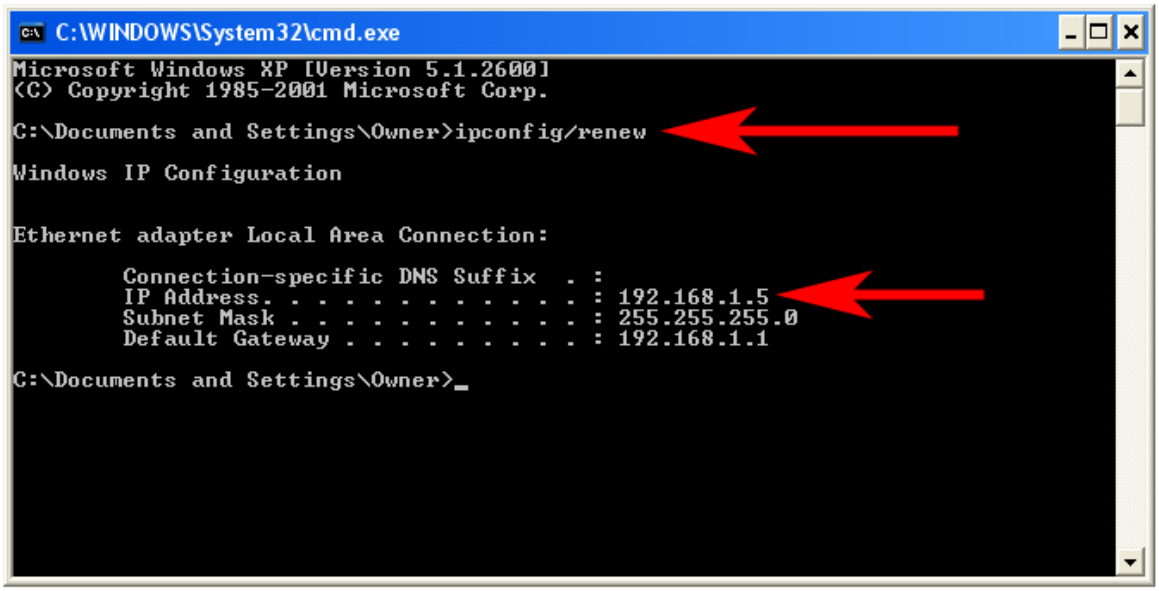
Step 3 If you get **Request timed out**, or **Destination host unreachable**, double-check the network cable connection between the computer and the router and try Step 2 again. If you still encounter problem, go to the next step; otherwise proceed to **Section 3, Configuring the Router**.

For Windows 2000/XP

Step 4 At the command prompt, type **ipconfig/release** and press **Enter**.


C:\WINDOWS\System32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Owner>ipconfig/release
Windows IP Configuration
Ethernet adapter Local Area Connection:
Connection-specific DNS Suffix . :
IP Address. . . . . : 0.0.0.0
Subnet Mask . . . . . : 0.0.0.0
Default Gateway . . . . . :
C:\Documents and Settings\Owner>

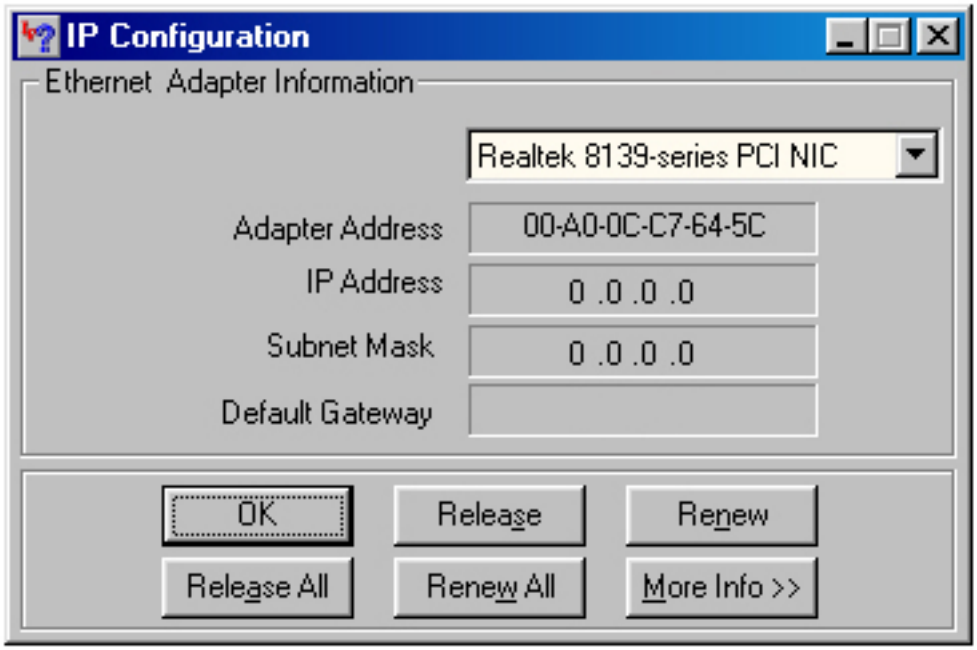
Step 5 After the IP address is released, type **ipconfig/renew** and press **Enter**. You should get an IP address of **192.168.1.x** (where **x** is a number between 2 - 254). Proceed to **Section 3, Configuring the Router.** If you don't get an IP address, reset the router by holding in the reset button at the back of the router for 10 seconds while it is ON and try **ipconfig/renew** again.


C:\WINDOWS\System32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Owner>ipconfig/renew
Windows IP Configuration
Ethernet adapter Local Area Connection:
Connection-specific DNS Suffix . :
IP Address. . . . . : 192.168.1.5
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.1.1
C:\Documents and Settings\Owner>_

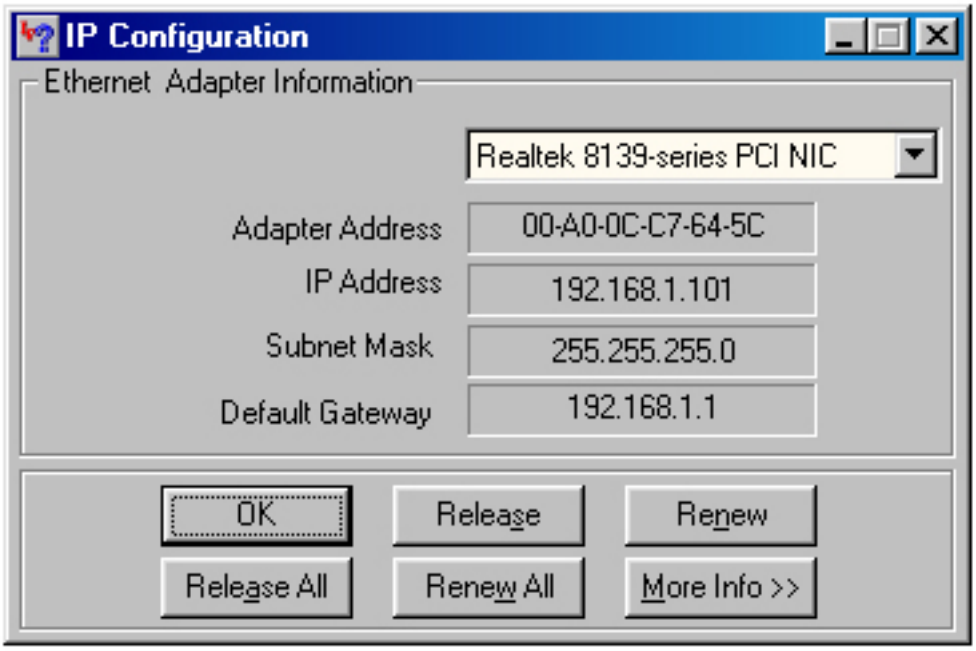
For Windows 95/98/ME

Step 4 Go to **Start**, **Run**, type **winipcfg** and click **OK**.

Step 5 Select your network card from the drop-down menu and click **Release**.



Step 6 After the IP address is released, click **Renew**. You should get an IP address of **192.168.1.x** (where **x** is a number between 2 - 254). If you don't get an IP address, reset the router by holding in the reset button at the back of the router for 10 seconds while it is ON and try **Renew** again.



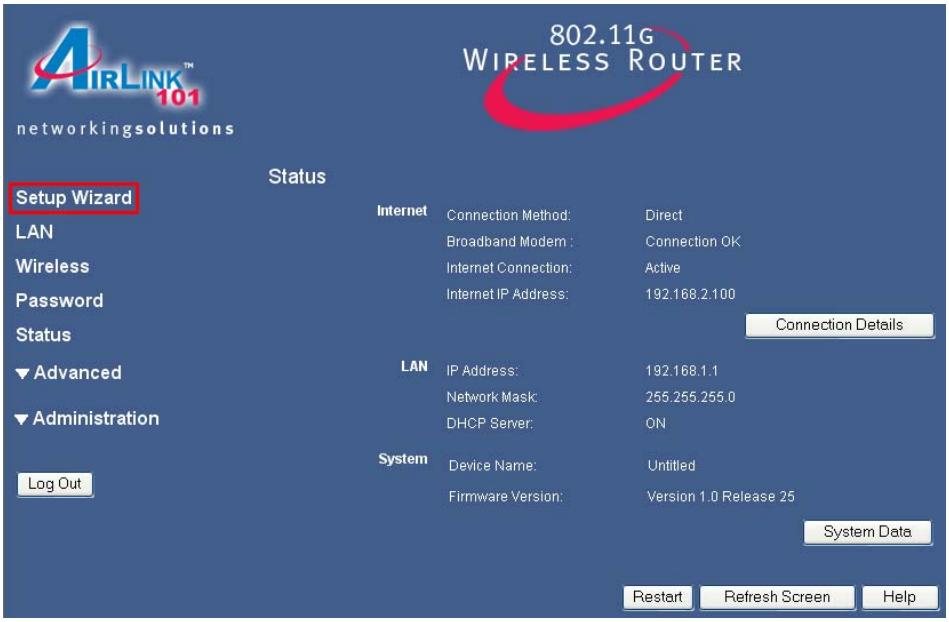
Section 3

Configuring the Router

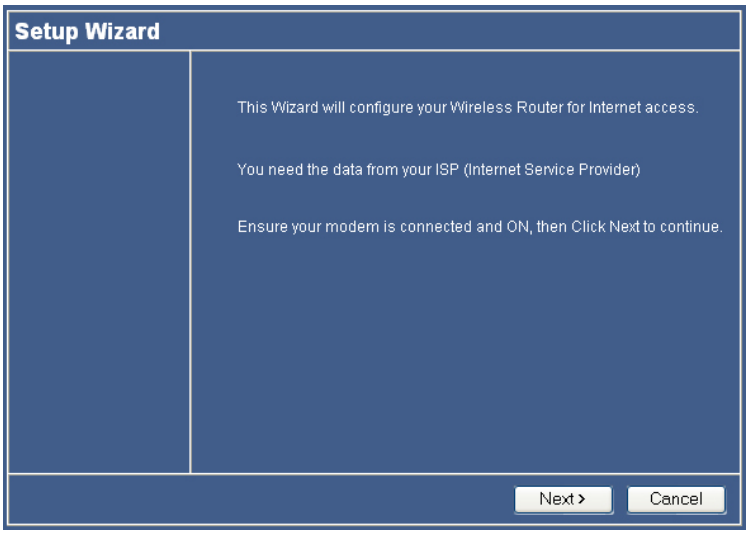
Step 1 Open the web browser and type **192.168.1.1** in the URL Address field.

Step 2 Enter **admin** for both the User name and Password fields and click **OK**.

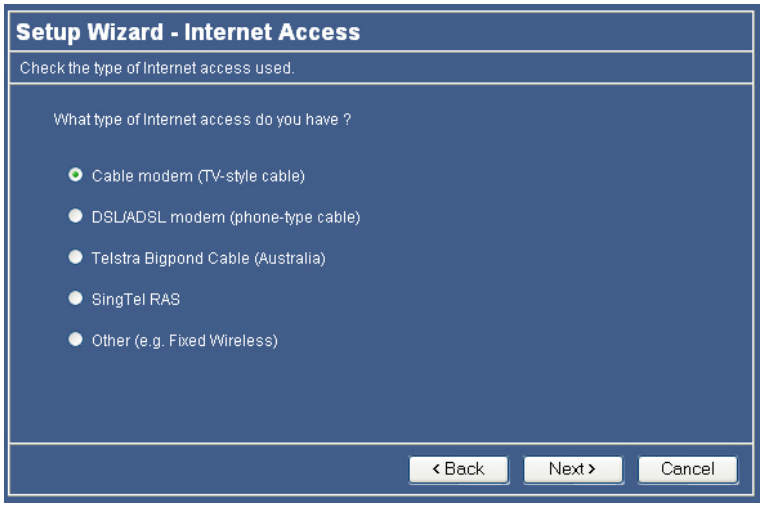
Step 3 Click **Setup Wizard** at the router's main screen.



Step 4 Click **Next** at the Setup Wizard.

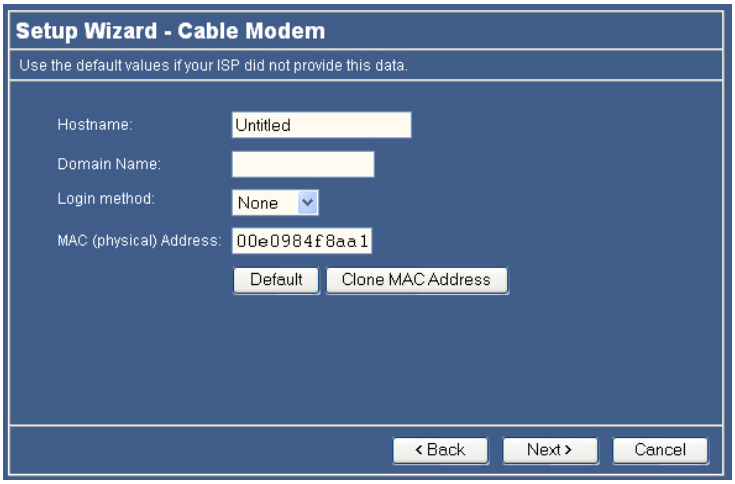

Setup Wizard
This Wizard will configure your Wireless Router for Internet access.
You need the data from your ISP (Internet Service Provider)
Ensure your modem is connected and ON, then Click Next to continue.
Next >
Cancel

Step 5 Select your type of Internet Access. If you are not sure what type of connection you have, please contact your Internet Service Provider (ISP) for assistance.


Setup Wizard - Internet Access
Check the type of Internet access used.
What type of Internet access do you have ?
Cable modem (TV-style cable)
DSL/ADSL modem (phone-type cable)
Telstra Bigpond Cable (Australia)
SingTel RAS
Other (e.g. Fixed Wireless)
< Back
Next >
Cancel

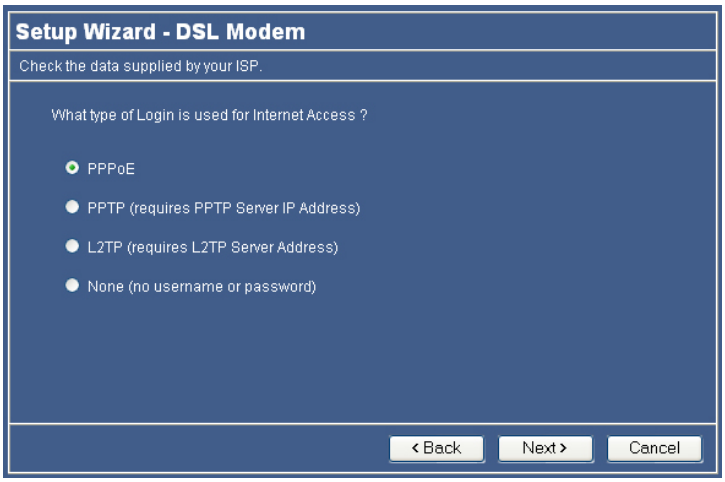
For Cable Modem Users:

Step 6a Click on **Clone MAC Address**, click **OK**, then click **Next**. Proceed to **Step 7**.

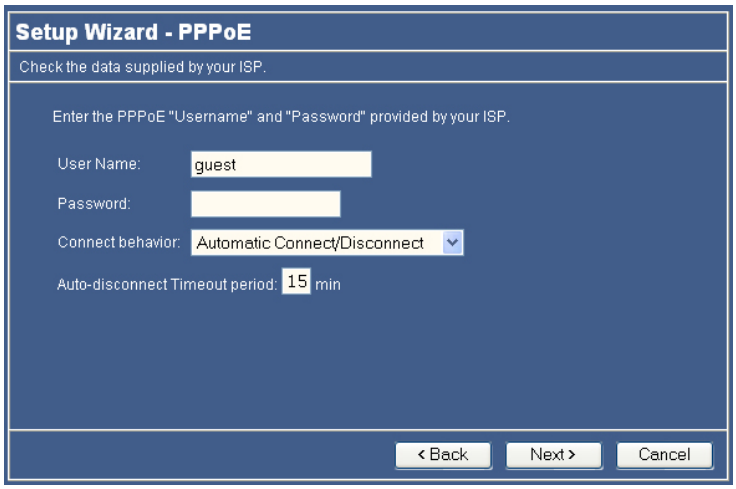


For DSL Users:

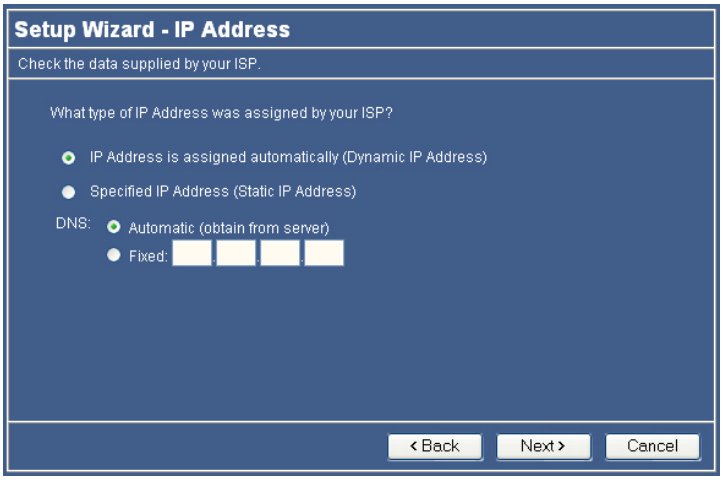
Step 6b For most DSL users, select **PPPoE** and click **Next**. Otherwise, choose your Login procedure for connecting to the Internet.


Setup Wizard - DSL Modem
Check the data supplied by your ISP.
What type of Login is used for Internet Access ?
PPPoE
PPTP (requires PPTP Server IP Address)
L2TP (requires L2TP Server Address)
None (no username or password)
< Back
Next >
Cancel

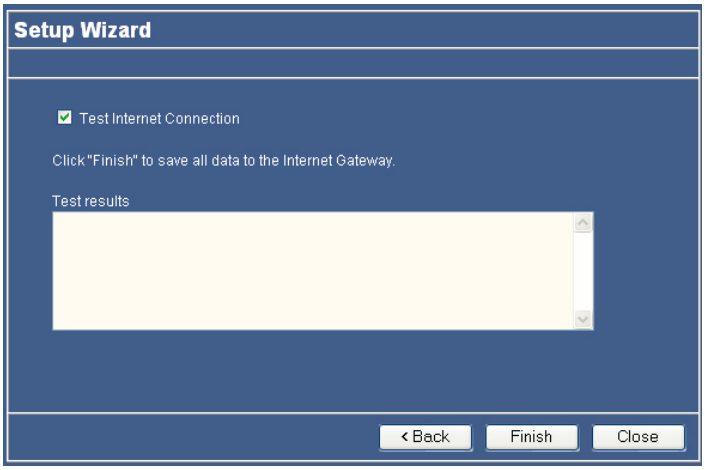
Step 6c For PPPoE users, enter your **Username** and **Password** required to get online and click **Next**.
Note: some ISP's require the domain name to be included with your username.
Example: username@sbcglobal.net



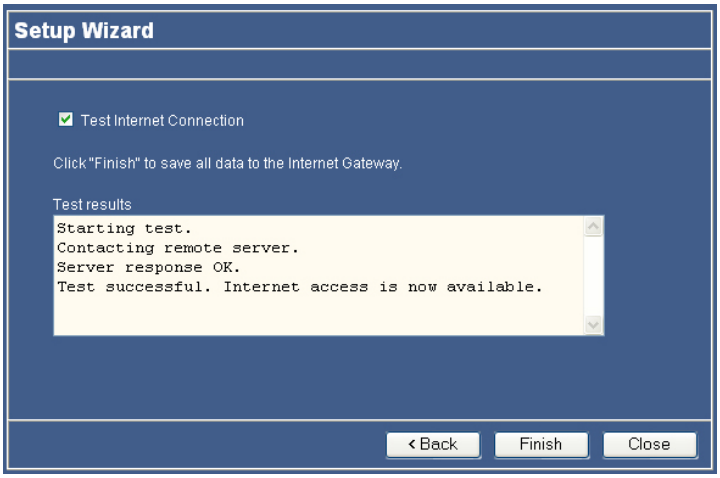
Step 7 Choose your IP Address assignment and click **Next**. For most users, you can use the default settings (**Dynamic IP Address**). If you are using a Static IP assigned by your ISP, select **Specified IP Address** and enter the applicable values.


Setup Wizard - IP Address
Check the data supplied by your ISP.
What type of IP Address was assigned by your ISP?
IP Address is assigned automatically (Dynamic IP Address)
Specified IP Address (Static IP Address)
DNS:
Automatic (obtain from server)
Fixed:
< Back
Next >
Cancel

Step 8 Make sure the **Test Internet Connection** box is checked and click **Finish** then **OK** to begin the Internet Connection Test.



Step 9 Verify that the Internet Connection Test is successful and click **Close**. If the test did not pass, please refer to **Section 5 Troubleshooting**.



Section 4

Connecting to the Router Wirelessly

Below are the default wireless settings of the router. You must configure your wireless network card to the same settings in order to establish a wireless connection with the router. Please refer to your wireless network card's manual for configuring these settings.

SSID: **default**
Operating Mode: **Infrastructure**
Channel #: **11**
WEP: **disabled**

You may need to restart your computer after establishing a signal strength/link quality with the router.

Section 5

Troubleshooting

If the Internet Connection Test fails, try the following steps:

Step 1 Power off the Cable/DSL modem, router, and computer and wait for **5 minutes**.

Step 2 Turn on the Cable/DSL modem and wait for the lights on the modem to settle down.

Step 3 Turn on the router and wait for the lights on the router to settle down.

Step 4 Turn on the computer.

Step 5 Redo the Setup Wizard.

Step 6 Verify the Internet Connection Test is successful.

If you can ping the router but cannot access the router's web configuration page, try the following steps:

For Windows 9x/ME/2000

Step 1 Go to **Start**, **Settings**, **Control Panel**, **Internet Options**.

Step 2 Select the **Connections** tab and click the **Setup** button.

Step 3 Select **"I want to set up my Internet connection manually, or I want to connect through a local area network (LAN)"** and click **Next**.

Step 4 Select **"I connect through a local area network (LAN)"** and click **Next**.

Step 5 Ensure all of the boxes on the following Local area network Internet Configuration screen are **unchecked**.

Step 6 Check the **"No"** option when prompted **"Do you want to set up an Internet mail account now?"**

Step 7 Click **Finish** to close the Internet Connection Wizard. Log in to the router's web configuration page.

For Windows XP

Step 1 Go to **Start**, **Control Panel**, **Network and Internet Connections**.

Step 2 Select **Set up or change your Internet Connection**.

Step 3 Select the **Connection** tab, and click the **Setup** button.

Step 4 Cancel the pop-up **"Location Information"** screen.

Step 5 Click **Next** on the **"New Connection Wizard"** screen.

Step 6 Select **"Connect to the Internet"** and click **Next**.

Step 7 Select **"Set up my connection manually"** and click Next.

Step 8 Check **"Connect using a broadband connection that is always on"** and click **Next**.

Step 9 Click **Finish** to close the New Connection Wizard. Log in to the router's web configuration page.

Note to dial-up and DSL Users: If you were using a dial-up program to log on to the Internet, you may need to uninstall the program as well.

Section 6

Technical Support

E-mail: support@airlink101.com

Toll Free: 1-888-746-3238

Web Site: www.airlink101.com

Copyright © 2004 AirLink101. All rights reserved. AirLink101, the stylized AirLink101 logo, specific product designations, and all other words and logos that are identified as trademarks and/or service marks are, unless noted otherwise, the trademarks and service marks of AirLink101. All other product or service names are the property of their respective holders. AirLink101 products are protected under numerous U.S. and foreign patents and pending applications, mask work rights, and copyrights.